

**AMENDMENTS TO THE CLAIMS**

1.-11. (Canceled)

12. (New) A network system, comprising:

a plurality of devices connected to a network, each of the plurality of devices transmitting and receiving data through the network; and

a managing device configured to control the network and to manage state information used for controlling the network,

wherein when a new device is connected to the network, the managing device determines whether or not the new device is to be a new managing device, and if the new device is determined to be the new managing device, the managing device transmits the managed state information to the new device.

13. (New) The network system according to claim 12, wherein when the new device receives the state information, the new device controls the network based on the received state information.

14. (New) The network system according to claim 12, wherein when the new device is connected to the network, the new device transmits an address of the new device to the managing device.

15. (New) A method for configuring a network comprising:

entering, by a new device, into the network, wherein a plurality of devices is connected to the network and each of the plurality of devices transmits and receives data through the network;

determining, by a managing device, whether or not a new device is to be a new managing device, wherein the managing device controls the network and manages state information used for controlling the network; and

transmitting, by the managing device, the managed state information to the entered new device when the new device is determined to be the managing device.

16. (New) The method according to claim 15, further comprising:

controlling, by the new device, the network based on the received state information.

17. (New) The method according to claim 15, further comprising:

transmitting, by the new device, an address of the new device to the managing device.